

MIL-F-16884G
INT. AMENDMENT 2(SH)

TABLE 1. Chemical and physical requirements. - Continued

Characteristics	Requirements	FED-STD-791 test method	ASTM test method
Carbon residue, on 10 percent bottoms, percent (max) (see 4.6.2)	0.20		D 524
Sulfur, percent (max)	1.00		D 1293 ^{1/}
Corrosion (max) at 100°C (212°F)	No. 1 ASTM		D 130
Color (max)	3		D 1500
Ash, percent (max)	0.005		D 482
Gravity (hydrometer)	Record		D 1298 ^{4/}
Demulsification at 25°C (77°F), minutes (max) (see 4.6.3)	10		D 1401
Acid number (max)	0.30		D 974
Neutrality	Neutral	5101	-----
Aniline point, °C (°F)	Record		D 611
Accelerated stability, total insolubles mg/100 mL (max)	2.06 ^{6/}		D 2274

- 1/ A slight haze is acceptable providing a maximum water and sediment of 0.01 percent is obtained using procedure ASTM D 2709.
- 2/ As the end point of the distillation is approached, if either a thermometer reading 385°C (725°F) or a decomposition point is observed, discontinue the heating and resume the procedure as directed in ASTM D 86.
- 3/ ASTM D 1552 and ASTM D 2622 may be used as alternative methods.
- 4/ ASTM D 287 may be used as an alternative method.
- 5/ The ASTM methods for pour and cloud points permit optional use of either Celsius or Fahrenheit procedures; therefore requirements are specified for either option.
- 6/ Average of three determinations is acceptable."

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3.4.1(f), second line: Delete "25 percent min." and substitute "25 percent max."

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- * 3.4.3: Delete and substitute:

"3.4.3 Ignition improver. The following additives, to raise the ignition quality of the fuel, may be used as required to conform to this specification:

Amyl nitrate (mixed primary nitrates).
Hexyl nitrate (N-hexyl nitrate).
Cyclohexyl nitrate.
Octyl nitrate."

- * 4.1: Delete and substitute:

"4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements."

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4.6.3, second line: Delete "method 3201 of FED-STD-791", and substitute "ASTM D 1401".

4.6.3(a): Add to end of sentence: "(see note 3, paragraph 6, ASTM D 1401 procedure)."

- * 4.6.3(c): Delete and substitute:

"(c) The demulsification time shall be that required for separation into two layers with no cuff at the interface. A lacy emulsion which does not form a band or cuff on the wall of the cylinder shall be disregarded. The fuel, water, and emulsion layer volumes shall be recorded at one-minute intervals and the demulsification time reported shall be to the nearest minute."

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NOTE: The margins of this amendment are marked with an asterisk (*) to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Preparing activity:
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